

# SMART GREEN CORRIDOR

PEOPLE • PLANET • PROFIT

Innovative and efficient technologies, practices, designs, and development come together in a smart, green corridor to drive job creation, improve water and soil resources, and enhance community and economic value. These complimentary approaches amplify social and environmental benefits while lowering overall costs.



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## Wildlife Corridor

Wildlife corridors facilitate wildlife movement by connecting fragmented habitat, which supports stable populations and enhances biodiversity.

## Source Water Protection

Protecting drinking water from contamination, with forest cover for example, reduces treatment costs and public health risks.

## Drinking Water Treatment

Innovative drinking water utilities are using the latest technology to protect source water, reduce water losses, and save energy.

## Green Space

Green space provides recreation opportunities and enhances the beauty and environmental quality of neighborhoods.

## Wetland Restoration

Removing sediments contaminated with legacy pollutants and restoring wetlands can dramatically improve water quality.

## Wastewater Treatment

Innovative wastewater utilities are recovering nutrients and energy while producing reclaimed water.

## Manure-to-Energy

Manure from farms can be used to produce energy while reducing waste to be managed.

## Biochar

Used in ponds, biochar can adsorb pollutants, including pesticides and fertilizers.

## Precision Agriculture

Information technology is enabling more controlled farming practices.

## GI - Bioretention and Green Streets

Green infrastructure reduces and treats stormwater at its source while providing community benefits. High-flow filter media and biochar-enhanced applications in transportation right-of-ways increase infiltration and pollutant removal.

## Smart Stormwater Ponds

Smart ponds are weather-responsive, have increased storage capacity, and better protect water quality. Iron filings and biochar are innovative pond treatments that address excess bacteria and nutrient loadings.

